

MS/MS Parameters of Pesticides

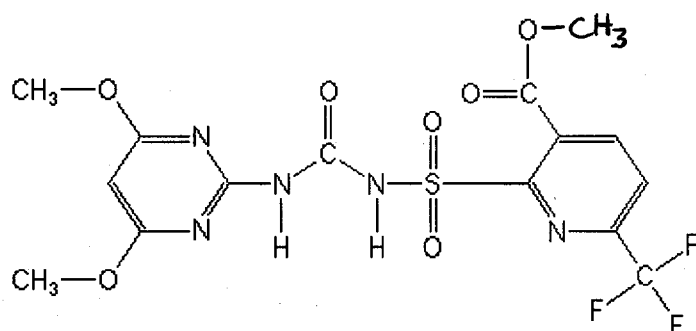
Analyte: Flupyrsulfuron-methyl

CAS No.:

Formula: C₁₅H₁₄F₃N₅O₇S

Molecular mass (lowest isotopes): 465,06 amu

Structure:



Ionisation: ESI +

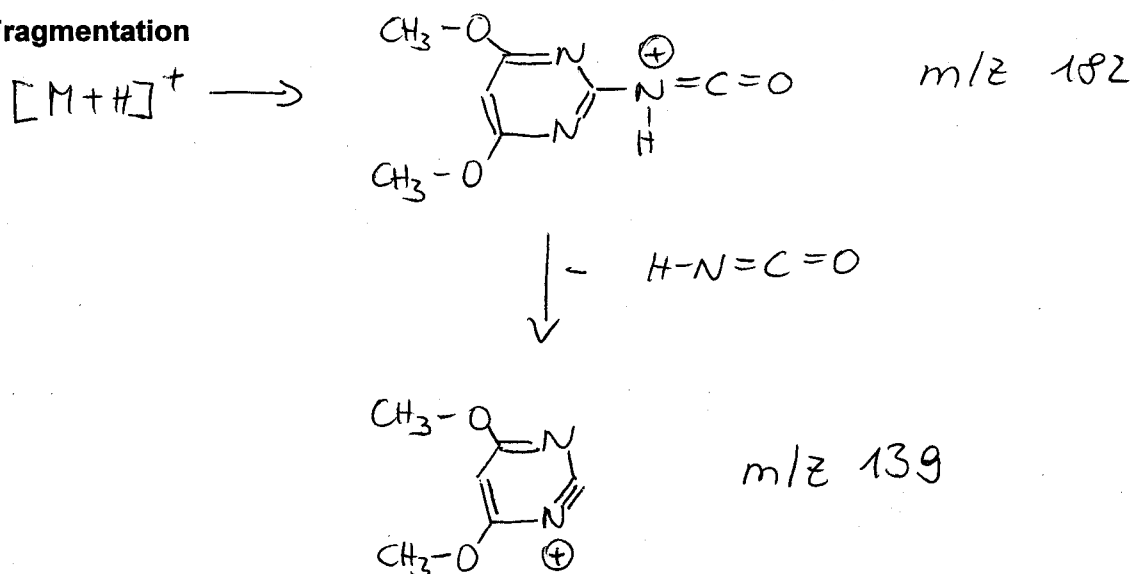
Quasimolecular ion: 466,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	466,1 → 139,1	466,1 → 182,2
Declustering potential (DP) ^{*)}	66V	66 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10,5 V	10 V
Collision cell entrance potential (CEP)	20 V	20 V
Collision energy (CE)	63 V	29 V
Collision cell exit potential (CXP)	6 V	10 V

^{*)} For API 3000 and 4000 enhance DP by 20V

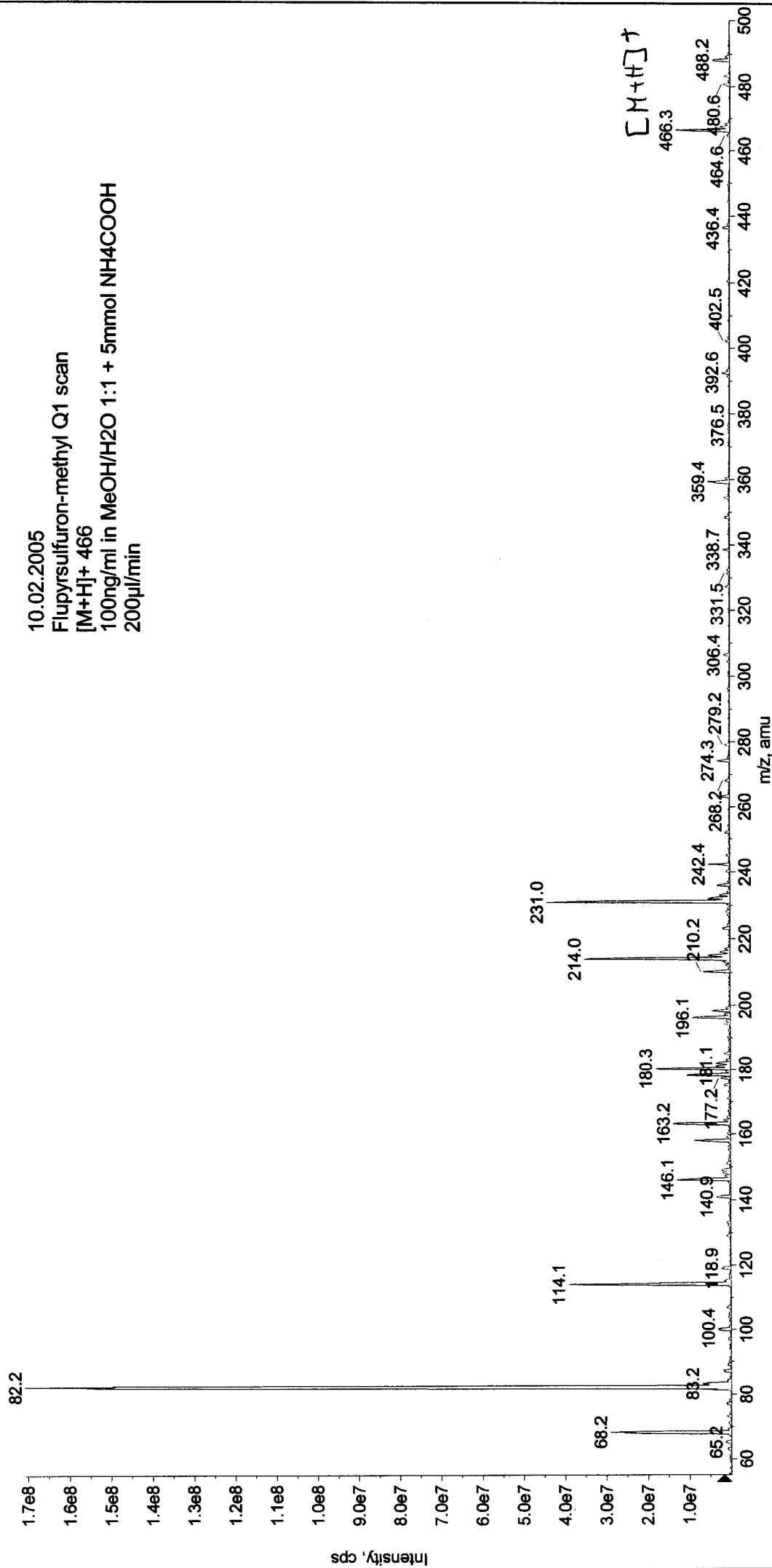
Fragmentation



■ +Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050210105704.wiff (Turbo Spray)

Max. 1.7e8 cps

10.02.2005
Flupyr sulfuron-methyl Q1 scan
[M+H]⁺ 466
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min



Printing Time: 11:50:16

Printing Date: Thursday, February 10, 2005

Acq. Date: 11:48

Acq. Date: Thursday, February 10, 2005

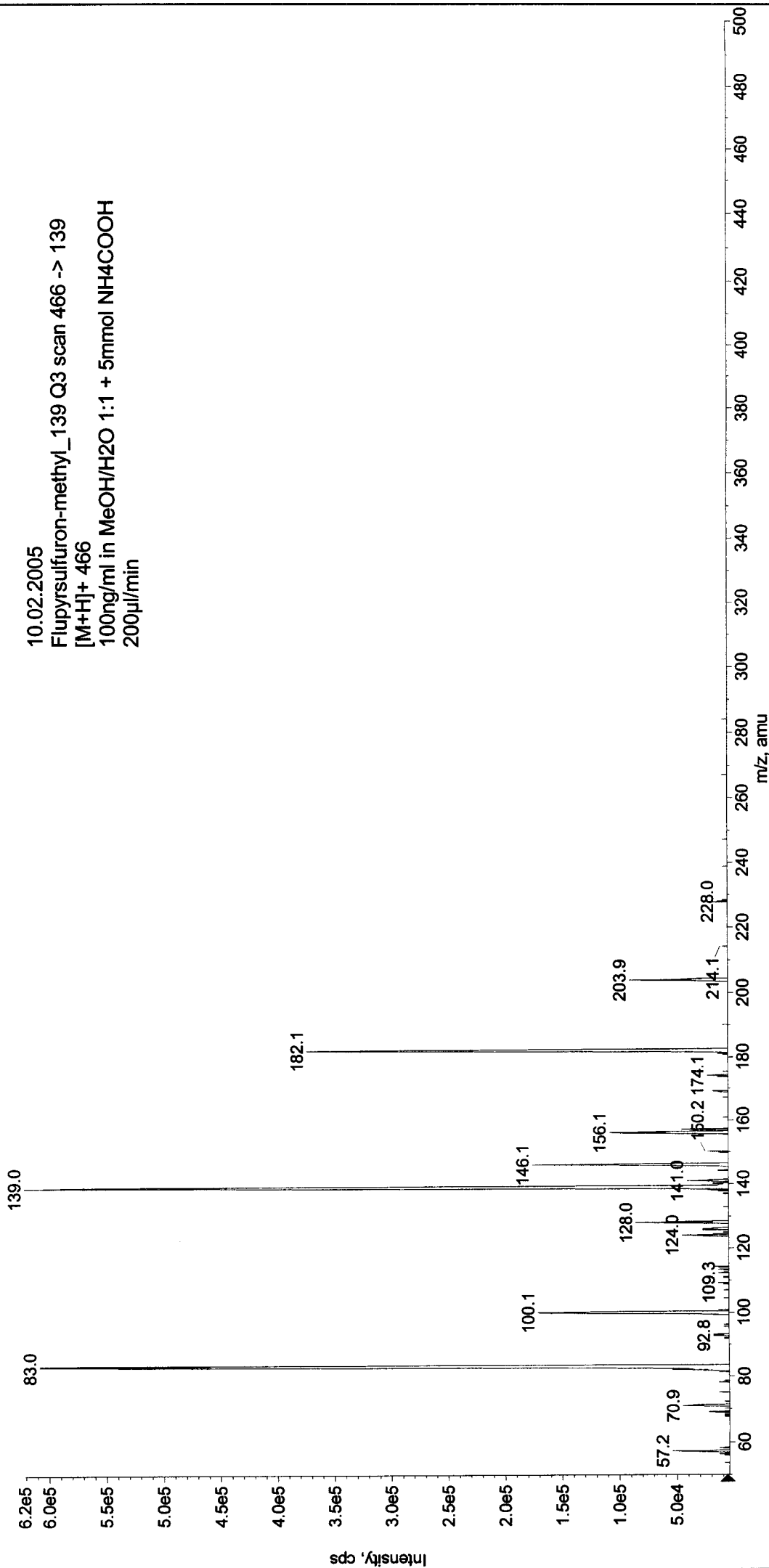
Acq. File: MT20050210114847.wiff

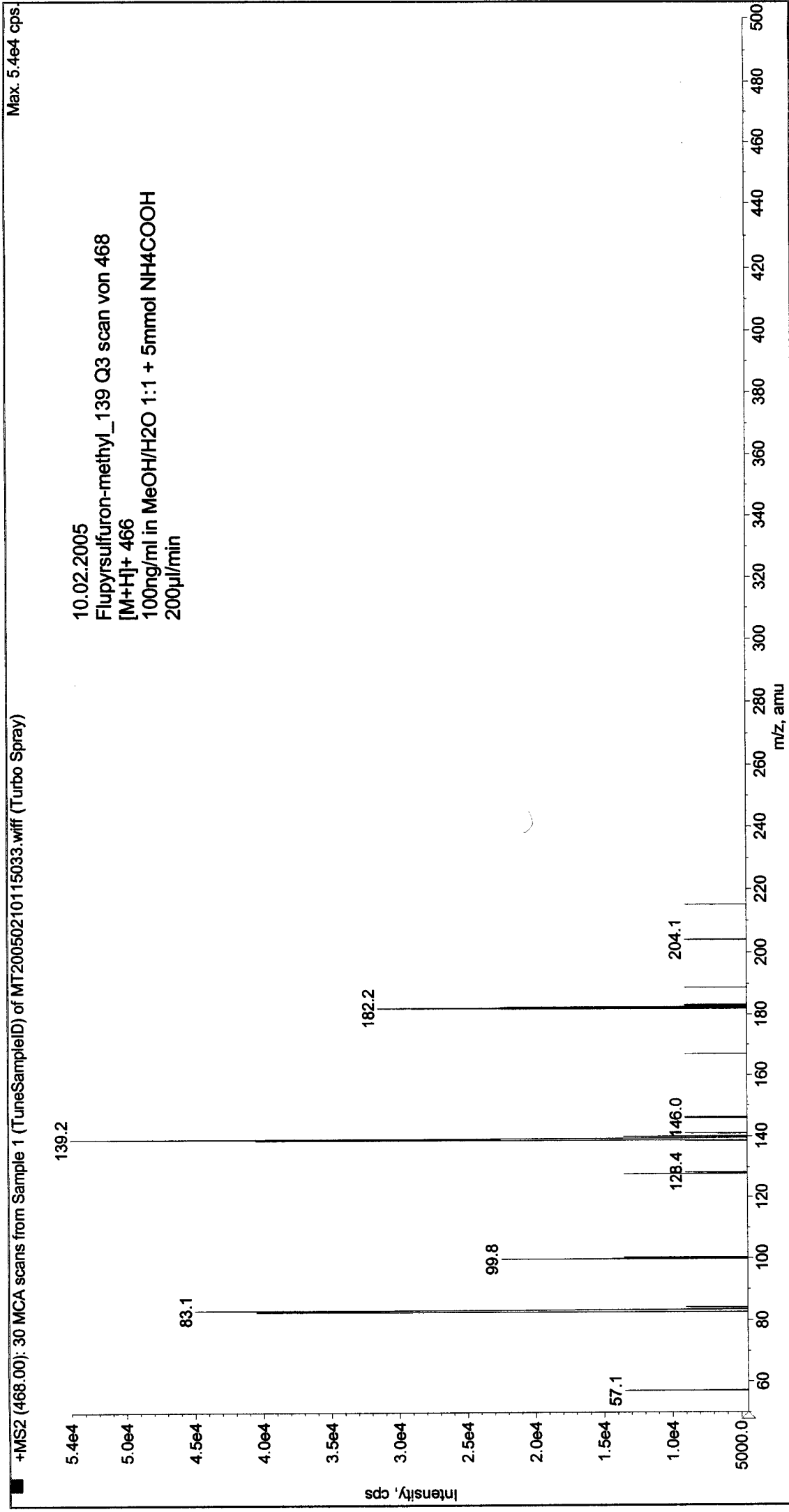
Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

+MS2 (466.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050210114847.wiff (Turbo Spray)

Max. 6.2e5 cps.

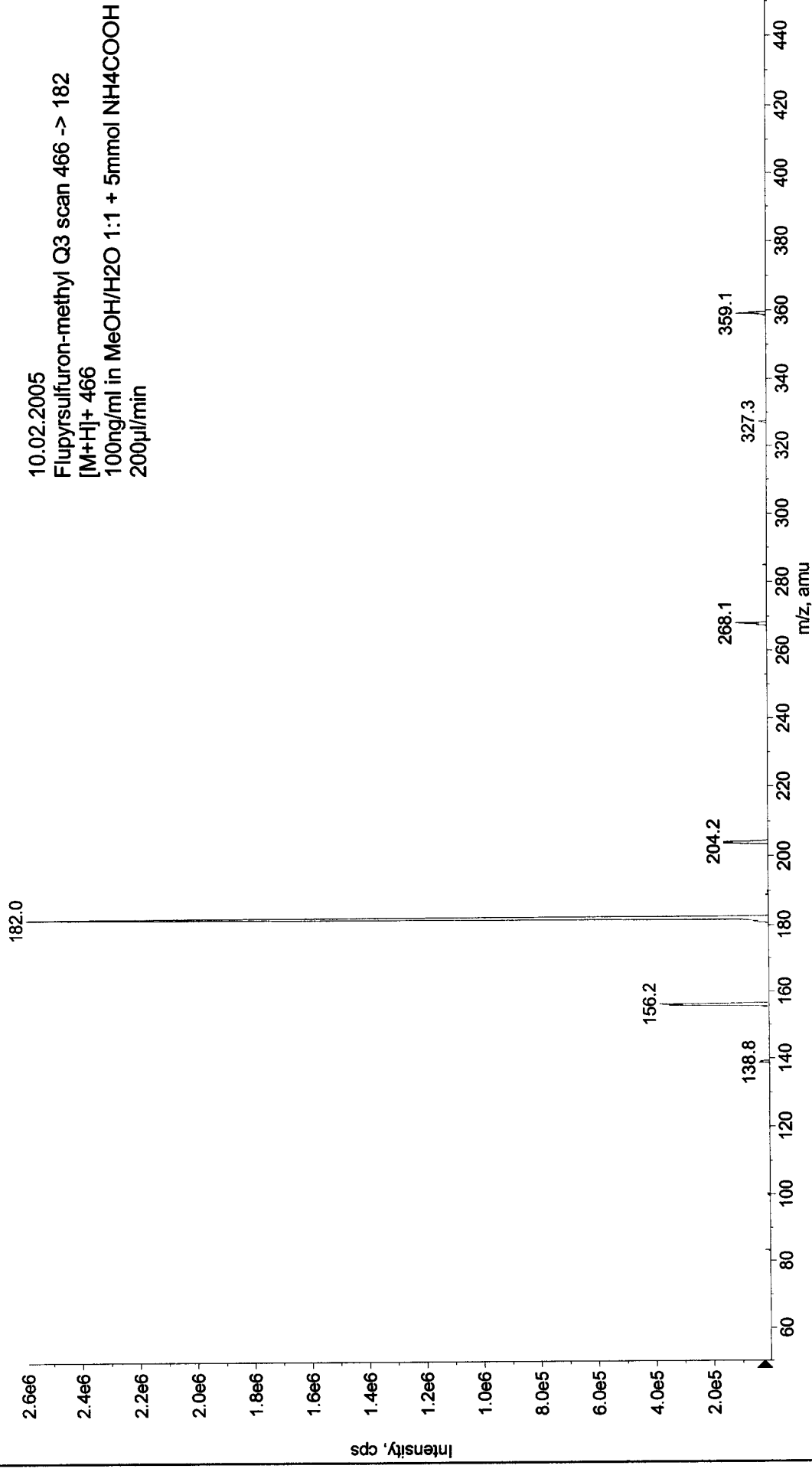
10.02.2005
Flupyrifluron-methyl_139 Q3 scan 466 -> 139
[M+H]⁺ 466
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min





■ +MS2 (466.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050210110008.wiff (Turbo Spray)

Max. 2.6e6 cps



Printing Time: 11:02:32

Printing Date: Thursday, February 10, 2005

Acq. Time: 11:01

Acq. Date: Thursday, February 10, 2005

Acq. File: MT20050210110134.wiff

Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat

